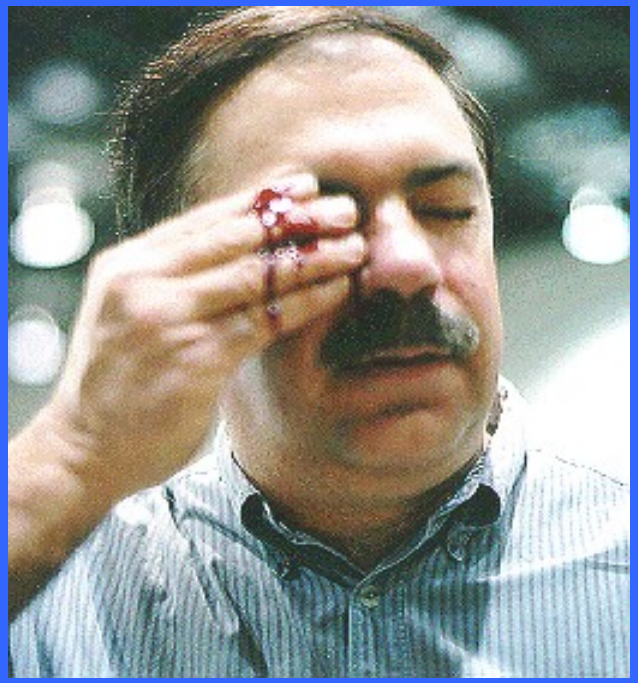
VISION SAFETY

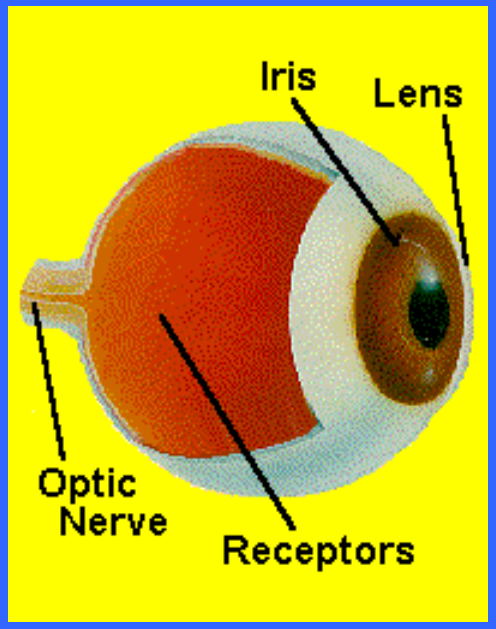
CW3 John Hager

Why Eye and Face Protection is Imp

Thousands of people are blinded each year from wor injuries. Injuries that could have been prevented, if would have used eye or face protection.



The Delicate Structure of the Eye



Your eyes are very delicate. You can think of them as the color television cameras for your brain. Like a camera, your eyes include:

- A lens that focuses light;
- An iris that controls the amount of light that enters the eye;
- Receptors that "pick up" the image of what you see, and;
- An optic nerve that serves as a "cable" to transmit information from the receptors in your eye to your brain.

Unlike a television camera that is made of plastic and metal, your eye is made of soft tissues and blood

What Types of Accidents Cause Eye Injuries?

The major types of accidents that cause blindness include:

-Objects striking the eye;

- Contact with chemicals and other hazardous materials;

- Being struck by swinging objects such as chains and ropes; and

- Viewing radiant energy sources such as welding operations or lasers.

Protective Measures

-Machine Guards

-Work Area Barriers

-Ventilation

-Lighting

-Signs and Warnings

ive Measures

Eyewash Stations

Eyewash stations should be located within 100 feet of your work area. If you accidentally get something in your eyes, go directly to the eyewash station and flush your eyes with water for 15 minutes. Be sure to hold your eyes open with your fingers and "look" directly into the water streams. DO NOT RUB YOUR EYES! Rubbing your eyes may scratch or embed particles into your eyes. Once you have flushed your eyes with water, seek medical attention immediately.

CAUTION: Some chemicals are water reactive and become toxic when mixed

Personal Protective Equipment

Goggles

Goggles give you more protection than safety glasses because they fit closer to your face. Because goggles surround the eye area, they give you more protection in situations where you might encounter splashing liquids, fumes, vapors, powders, dusts, and mists. Different types of goggles are available. They must indicate that they are chemical splash goggles to be worn for that purpose.

QUESTIONS?